

Title (en)

Seat belt alarm apparatus

Title (de)

Sicherheitsgurt-Alarmvorrichtung

Title (fr)

Dispositif d'alarme pour ceinture de sécurité

Publication

EP 1493640 A1 20050105 (EN)

Application

EP 04015505 A 20040701

Priority

JP 2003191378 A 20030703

Abstract (en)

A seat belt alarm apparatus according to the present invention executes a weak alarm pattern in which an alarm lamp (9) is blinked and lighted repeatedly when a seat belt switch (5) is turned on and a seat belt is unfastened, and a vehicle speed is equal to or less than a buzzer sound start vehicle speed. When the vehicle speed is more than the buzzer sound start vehicle speed, the seat belt alarm apparatus executes a strong alarm pattern in which the alarm lamp (9) is blinked and lighted repeatedly as well as a buzzer (10) is sounded in synchronism with the blinking of the alarm lamp (9), and the alarm operation is continued until the seat belt switch (5) is turned off and the seat belt is fastened.

IPC 1-7

B60R 22/48

IPC 8 full level

B60R 22/48 (2006.01)

CPC (source: EP US)

B60R 22/48 (2013.01 - EP US); **B60R 2022/4816** (2013.01 - EP US); **B60R 2022/4866** (2013.01 - EP US)

Citation (search report)

- [XA] US 6501374 B1 20021231 - KING DANIEL M [US], et al
- [XA] US 6362734 B1 20020326 - MCQUADE THOMAS M [US], et al

Cited by

AT17400U1; CN105404226A; CN108621935A; EP2899062A1; CN106427880A; CN103507749A; CN104163157A; EP2899061A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1493640 A1 20050105; EP 1493640 B1 20060913; DE 602004002325 D1 20061026; DE 602004002325 T2 20070830;
JP 2005022563 A 20050127; US 2005012605 A1 20050120; US 7161477 B2 20070109

DOCDB simple family (application)

EP 04015505 A 20040701; DE 602004002325 T 20040701; JP 2003191378 A 20030703; US 87969904 A 20040628